

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7814	385/14,129-132.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 18:16
L2	1705	(optic\$4 near waveguide) and (taper\$5) and (grating) and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 18:17
L3	450	L1 and L2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 18:16
L4	36	(optic\$4 near waveguide) and (taper\$5) and mask and (ion near2 etch\$6 ) and (mask near4 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 18:18
L5	14	L1 and L4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 18:16
L6	85	((optic\$4 near waveguide) and (taper\$5) and (grating) and substrate).clm.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 18:17
L7	7	((optic\$4 near waveguide) and (taper\$5) and mask and (ion near2 etch\$6 ) and (mask )).clm.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 18:18
S1	1	"20030002793".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 18:15
S2	13	"4415227".pn. or "5078516".pn. or "5172143".pn. or "5265177".pn. or "5278926".pn. or "5439782".pn. or "5576149".pn. or "5629999".pn. or "5844929".pn. or "5854868".pn. or "5868952".pn. or "6108478".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/09 10:24
S3	9767	385/14,28,37,43,49,50,129,130,131,132.ccls. or 65/386,403.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/30 16:27
S4	414	(waveguide near3 taper\$4) and etch\$6 and mask	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/26 15:22
S5	108267	"385"/\$6.ccls. or "398"/\$6.ccls. or "216"/\$6.ccls. or "65"/\$6.ccls. or "359"/\$6.ccls. and "372"/\$6.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 09:57
S6	260	("385"/\$6.ccls. or "398"/\$6.ccls. or "216"/\$6.ccls. or "65"/\$6.ccls. or "359"/\$6.ccls. and "372"/\$6.ccls.) and ((waveguide near3 taper\$4) and etch\$6 and mask)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/09 10:31

## EAST Search History

S7	23	(waveguide near3 taper\$4) and etch\$6 and (mask near2 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 10:02
S8	19	(waveguide near3 taper\$4) and etch\$6 and (mask near2 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6)) and ion	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/09 15:29
S9	12	(waveguide near3 taper\$4) and etch\$6 and (mask near2 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6)) and ion and silicon	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/09 16:02
S10	12	(waveguide near3 taper\$4) and etch\$6 and (mask near2 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6)) and ion and silicon and mask	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/09 16:03
S11	190	(waveguide near3 taper\$4) and (diffraction near grating) and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/09 17:47
S12	5	(waveguide near3 taper\$4 near vertical) and (diffraction near grating) and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/09 17:50
S13	11	((waveguide near3 taper\$4) with (diffraction near grating)) and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/07/09 17:51
S14	21	((waveguide near3 taper\$4) same (diffraction near grating)) and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/16 10:27
S15	1	"6292609".pn. and ion	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 09:39
S16	1	"6292609".pn. and ion and RIE	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 09:51
S17	1	"6292609".pn. and ion and RIE and "56"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 09:52
S18	112956	"385"/\$6.ccls. or "398"/\$6.ccls. or "216"/\$6.ccls. or "65"/\$6.ccls. or "359"/\$6.ccls. and "372"/\$6.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 10:25
S19	3554	(ion near2 (etch\$6 or mill\$6)) and taper\$6 and mask	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 10:35

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S20	727	("385"/\$6.ccls. or "398"/\$6.ccls. or "216"/\$6.ccls. or "65"/\$6.ccls. or "359"/\$6.ccls. and "372"/\$6.ccls. ) and ((ion near2 (etch\$6 or mill\$6)) and taper\$6 and mask)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 10:02
S21	7484	(mask near2 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/19 18:49
S22	16	((("385"/\$6.ccls. or "398"/\$6.ccls. or "216"/\$6.ccls. or "65"/\$6.ccls. or "359"/\$6.ccls. and "372"/\$6.ccls. ) and ((ion near2 (etch\$6 or mill\$6)) and taper\$6 and mask)) and ((mask near2 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 10:05
S23	201951	"385"/\$6.ccls. or "398"/\$6.ccls. or "216"/\$6.ccls. or "65"/\$6.ccls. or "359"/\$6.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 10:25
S24	7484	(mask near2 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6 and rotat\$6))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/15 19:52
S25	21	("385"/\$6.ccls. or "398"/\$6.ccls. or "216"/\$6.ccls. or "65"/\$6.ccls. or "359"/\$6.ccls. ) and ((mask near2 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6 and rotat\$6))) and ((ion near2 (etch\$6 or mill\$6)) and taper\$6 and mask)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 10:26
S26	10728	etch\$6 and taper\$6 and mask	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 10:35
S27	59	("385"/\$6.ccls. or "398"/\$6.ccls. or "216"/\$6.ccls. or "65"/\$6.ccls. or "359"/\$6.ccls. ) and ((mask near2 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6 and rotat\$6))) and ( etch\$6 and taper\$6 and mask)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 11:08
S28	380	("385"/\$6.ccls. or "398"/\$6.ccls. or "216"/\$6.ccls. or "65"/\$6.ccls. or "359"/\$6.ccls. ) and ( etch\$6 and taper\$6 and mask) and (taper\$6 near4 (waveguide or core))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 11:09
S29	209	("385"/\$6.ccls. or "398"/\$6.ccls. or "216"/\$6.ccls. or "65"/\$6.ccls. or "359"/\$6.ccls. ) and ( etch\$6 and taper\$6 and mask) and (taper\$6 near4 (waveguide or core)) and ((ion near2 (etch\$6 or mill\$6)) and taper\$6 and mask)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/08 09:15

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S30	1	"6525296".pn. and (ion or RIE)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/07 12:01
S31	3	("5462700"   "5726962"   "6002515").PN.	USPAT	OR	ON	2004/01/07 12:04
S32	3	"6292609".URPN.	USPAT	OR	ON	2004/01/07 12:07
S33	7	("4691982"   "4693544"   "4705346"   "4737015"   "4776655"   "4778236"   "4792200").PN.	USPAT	OR	ON	2004/01/07 12:08
S34	6	"4865407".URPN.	USPAT	OR	ON	2004/01/07 12:08
S35	6	"4865407".URPN.	USPAT	OR	ON	2004/01/07 12:12
S36	148	("385"/\$6.ccls. or "398"/\$6.ccls.) and (taper\$6 near4 (waveguide or core)) and (diffraction near grating) and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/01/08 09:30
S37	7685	(mask near2 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6 and rotat\$6))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/15 19:52
S38	67	(mask near2 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6 and rotat\$6)) and waveguide and (ion same (etch\$6 or mill\$6))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/16 09:20
S39	0	"20010050271".URPN.	USPAT	OR	ON	2004/03/16 08:27
S40	108	(mask near5 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6 and rotat\$6)) and waveguide and (ion same (etch\$6 or mill\$6))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/16 11:26
S41	22	((waveguide near3 taper\$4) same (diffraction near grating)) and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/16 10:27
S42	1	(mask near5 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6 and rotat\$6)) and waveguide and (ion same (etch\$6 or mill\$6)) and "6015976".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/16 11:33
S43	1	(mask near5 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6 and rotat\$6)) and waveguide and (ion same (etch\$6 or mill\$6)) and "6015976".pn. and (diffraction near grating)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/16 11:33
S44	327	(waveguide near3 taper\$4) and (etch\$6 near8 ion) and mask	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/19 18:43
S45	1	"6015976".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/19 18:44

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S46	1	"6015976".pn. and waveguide and ions	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/19 18:44
S47	8197	(mask near2 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/19 18:49
S48	21	((waveguide near3 taper\$4) and (etch\$6 near8 ion) and mask) and ((mask near2 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6)) )	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/19 18:49
S49	0	"10508199"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/17 13:46
S50	0	"10/508199"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/17 13:46
S52	387	optic\$ and (waveguide near3 taper\$4) and (etch\$ with ion) and mask	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/26 15:23
S53	15	(waveguide near3 taper\$4) and ((etch\$ with ion) with waveguide) and mask and (rib near waveguide)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/26 15:34
S54	154	(waveguide near3 taper\$4) and ((etch\$ with ion) with waveguide) and mask	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/26 16:00
S55	6	(waveguide near3 taper\$4) and ((etch\$ with ion) with waveguide) and (mask near6 (moving or translat\$ or movable or moves or reciprocate\$ or rotate\$))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/26 17:08
S56	350	(waveguide near3 taper\$4) and (diffraction near grating)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/26 17:21
S57	955	(waveguide near3 taper\$4) and ( grating)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/26 18:24
S58	1051	(waveguide near4 taper\$4) and ( grating)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/26 18:26
S59	272	(waveguide near4 taper\$4) and ( grating near6 surface)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/30 16:46
S60	21	("4097117"   "4531809"   "4634215"   "5058977").PN. OR ("5208882").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/27 11:18

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S61	14	("4691982"   "4693544"   "4705346"   "4737015"   "4776655"   "4778236"   "4792200").PN. OR ("4865407").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/27 11:27
S62	7	("5657339"   "5960023"   "5987046"   "6018541"   "6151351").PN. OR ("6459840").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/30 16:14
S63	12315	385/14,28,37,43,49,50,129,130,131,132.ccls. or 65/386,403.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/30 16:27
S64	1054	S63 and (taper\$ and grating)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/30 16:28
S65	310	(waveguide near6 taper\$4) and (grating near6 surface)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/30 17:04
S66	909	taper\$4 with grating	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/30 17:04
S67	448	(taper\$4 with grating ) and (optic\$ near waveguide)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 16:48
S68	359	(diffraction near grating ) and (fiber near3 coupler) and "385"/\$6.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/05/30 17:35
S69	26	(diffraction near grating ) and (fiber and coupler) and "385"/\$6.ccls. and (side near polish\$)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 16:23
S70	41	("4006963"   "4097117"   "4307933"   "4317614"   "4387954").PN. OR ("4737007").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/30 17:42
S71	35	S70 and grating	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/30 17:46
S72	1	"4097117".pn. and taper\$	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/30 17:46
S73	146	(diffraction near grating) and (grating with taper\$4) and (waveguide) and "385"/\$6.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 16:26
S74	22	("4067642"   "4156206"   "4198117"   "4760569"   "4786132").PN. OR ("4911516").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 16:42

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S75	522	(taper\$4 with grating ) and (optic\$ near waveguide)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 16:48
S76	4210	(taper\$4 with2 grating ) and (optic\$ near waveguide) and (diffract\$5 near2 grating)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/22 17:02
S77	231	(taper\$4 with grating ) and (optic\$ near waveguide) and (diffract\$5 near2 grating)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 09:51
S78	75	("3937557"   "3975082"   "4057319"   "4067642"   "4077701"   "4111524").PN. OR ("4198117").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 09:43
S79	1369	((taper\$4 or angle or slop\$4) with grating ) and (optic\$ near waveguide) and (diffract\$5 near2 grating)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 10:08
S80	24	("4097117"   "4531809"   "4634215"   "5058977").PN. OR ("5208882").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 12:37
S81	18	("3883221"   "4338012"   "4443088"   "4801184"   "4838645").PN. OR ("5101458").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 12:44
S82	333	(optic\$4 near waveguide) and (grating) and (taper\$5) and mask and (ion near2 etch\$6 )	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 10:12
S83	612	(optic\$4 near waveguide) and (taper\$5) and mask and (ion near2 etch\$6 )	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 10:17
S84	36	(optic\$4 near waveguide) and (taper\$5) and mask and (ion near2 etch\$6 ) and (mask near4 (mov\$6 or translat\$6 or oscillat\$4 or reciprecat\$6))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 10:25
S85	1705	(optic\$4 near waveguide) and (taper\$5) and (grating) and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 10:27
S86	1081	"385"/\$6.ccls. and S85	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 15:59
S87	1705	(optic\$4 near waveguide) and (taper\$5) and (grating) and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 16:00
S88	385	"385"/\$6.ccls. and S87 and (diffraction near grating)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/10 16:00